

Elective-Subject “Smart Sensor Network Systems”

Lecturer	Prof. Dr. Matthias F. Wagner
Module contents	4 SWS Project
Dates	To be determined
Pre requirements	‘-‘
Examination	Project work with reports and talks
Start of lecture	Online, pls. use moodle course for further details
Further information	Embedded systems programming in C, IoT topics, mathematical data analysis

WICHTIG: Alle Vorleistungen und Prüfungsleistungen müssen fristgerecht im HIS-Portal angemeldet werden!

- Introduction to measuring technology for computer scientists
- Data acquisition basics
- The measuring chain
- Data acquisition challenges and error propagation
- Intelligent sensor concepts
- Wireless sensor networks (WSN)
- WSN operating systems
- Real-time aspects of WSNs
- Signal analysis basics